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November 26, 1997

EX PARTE OR LATE FILED

Writer's Direct Dial Number  
(202) 887-1510

By Messenger

Ms. Magalie Roman Salas  
Secretary  
Federal Communications Commission  
1919 M Street, N.W., Room 222  
Washington, D.C. 20554

Re: **EX PARTE**

Administration of the North American Numbering  
Plan -- CC Docket No. 92-237/  
Telephone Number Portability -- CC Docket No. 95-116

Dear Ms. Salas:

Pursuant to Section 1.1206 of the Commission's rules, 47 C.F.R. § 1.1206, I report that representatives of Lockheed Martin IMS, Jeffrey Ganek, Senior Vice President; Joseph Franlin, Vice President; Ron Conners, Director of the NANPA, and Mark Foster, Chief Technical Officer met on Tuesday, November 26, 1997 with Geraldine Matise, Marian Gordon, Erin Duffy, and Jeannie Grimes of the Common Carrier Bureau, copied below, to discuss the above captioned proceedings.

Lockheed Martin IMS updated the staff on the progress of local number portability deployment, as well as its progress in the transition to a new North American Numbering Plan Administrator. A copy of slides distributed at this presentation are attached. Pursuant to Section 1.1206(b) of the Commission's rules, an original and one copy of this transmittal letter are being submitted to the Office of the Secretary for inclusion in the public record for both of the above-referenced proceedings.

Please direct any questions or concerns to the undersigned.

Very truly yours,

*Cheryl A. Tritt*  
/JAC

Cheryl A. Tritt  
Counsel for Lockheed Martin IMS

**MORRISON & FOERSTER LLP**

Ms. Magalie Roman Salas  
November 26, 1997  
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Attachments

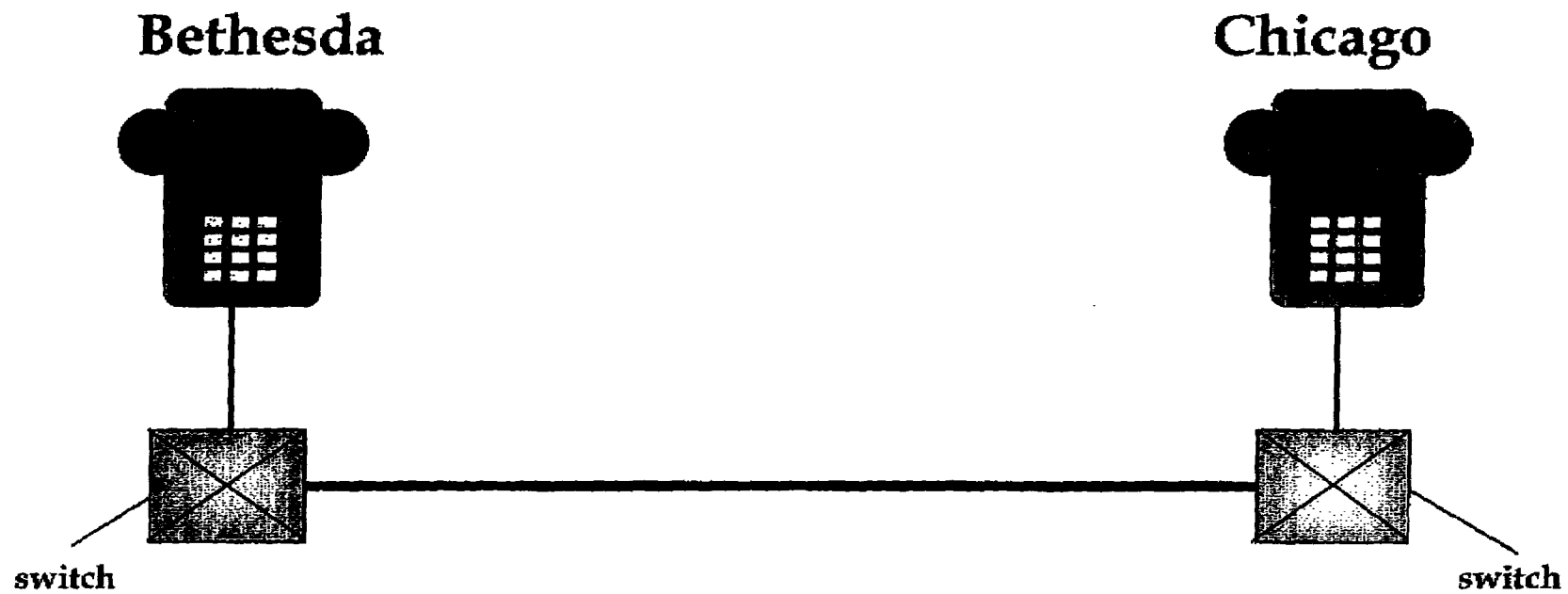
cc: Geraldine Matise  
Marian Gordon  
Erin Duffy  
Jeannie Grimes



# **Local Number Portability: A View from Lockheed Martin**

# Old Telephone System

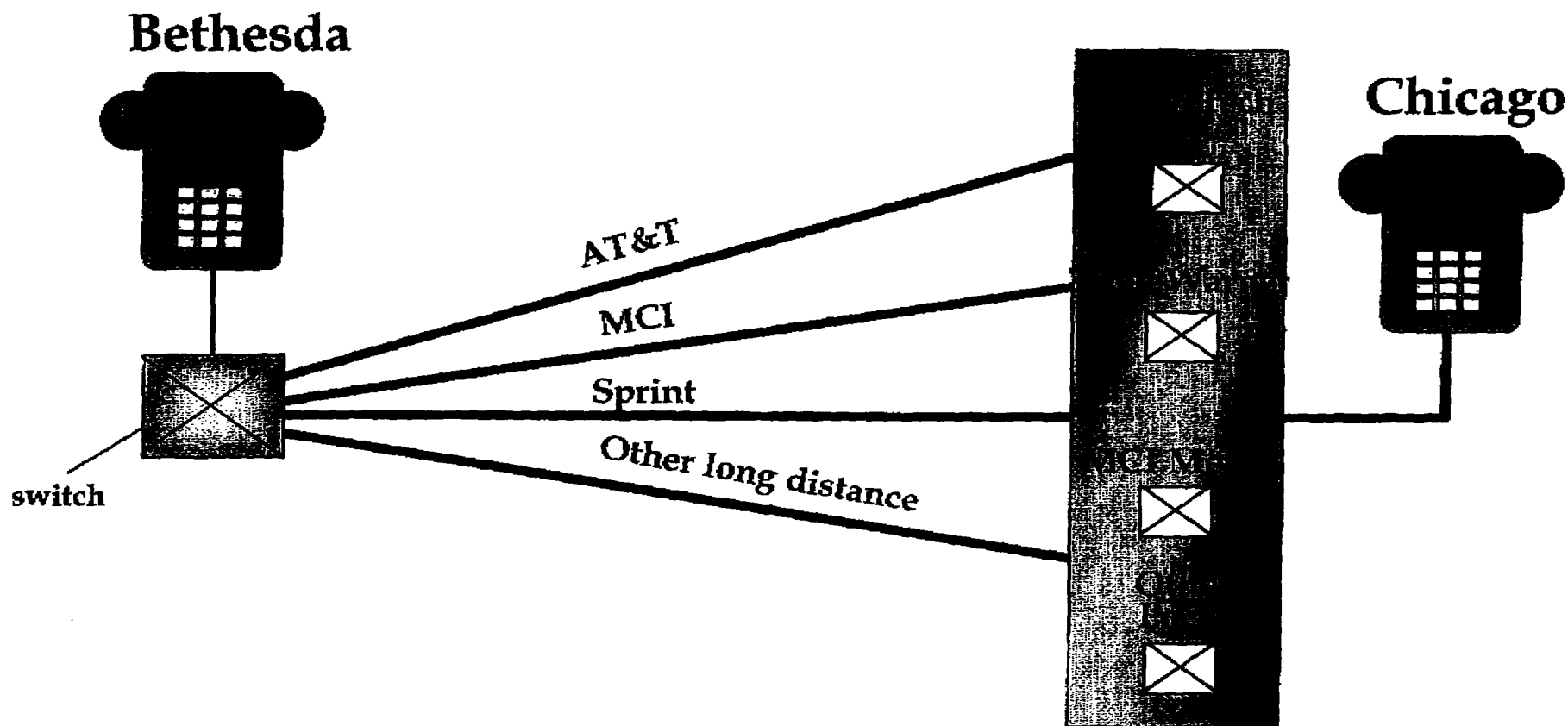
LOCKHEED MARTIN



**Bell System**

Single network; Facilities-based control

# New Telephone System



Network of networks; Interoperability of competitors' networks via complex systems control

# What is LNP?

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- ◆ Telecom Act of 1996 and FCC orders introduce competition in local service markets
- ◆ Consumers must be able to change service providers without changing telephone numbers, according to the Act
- ◆ Industry designed LNP architecture and process
- ◆ FCC Order requires LNP implementation
- ◆ Industry conducted competition to find neutral providers
- ◆ LM IMS Role - Build and operate system that maintains database and provides network addresses of ported numbers to service providers

# Communications Industry Services

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LOCKHEED MARTIN

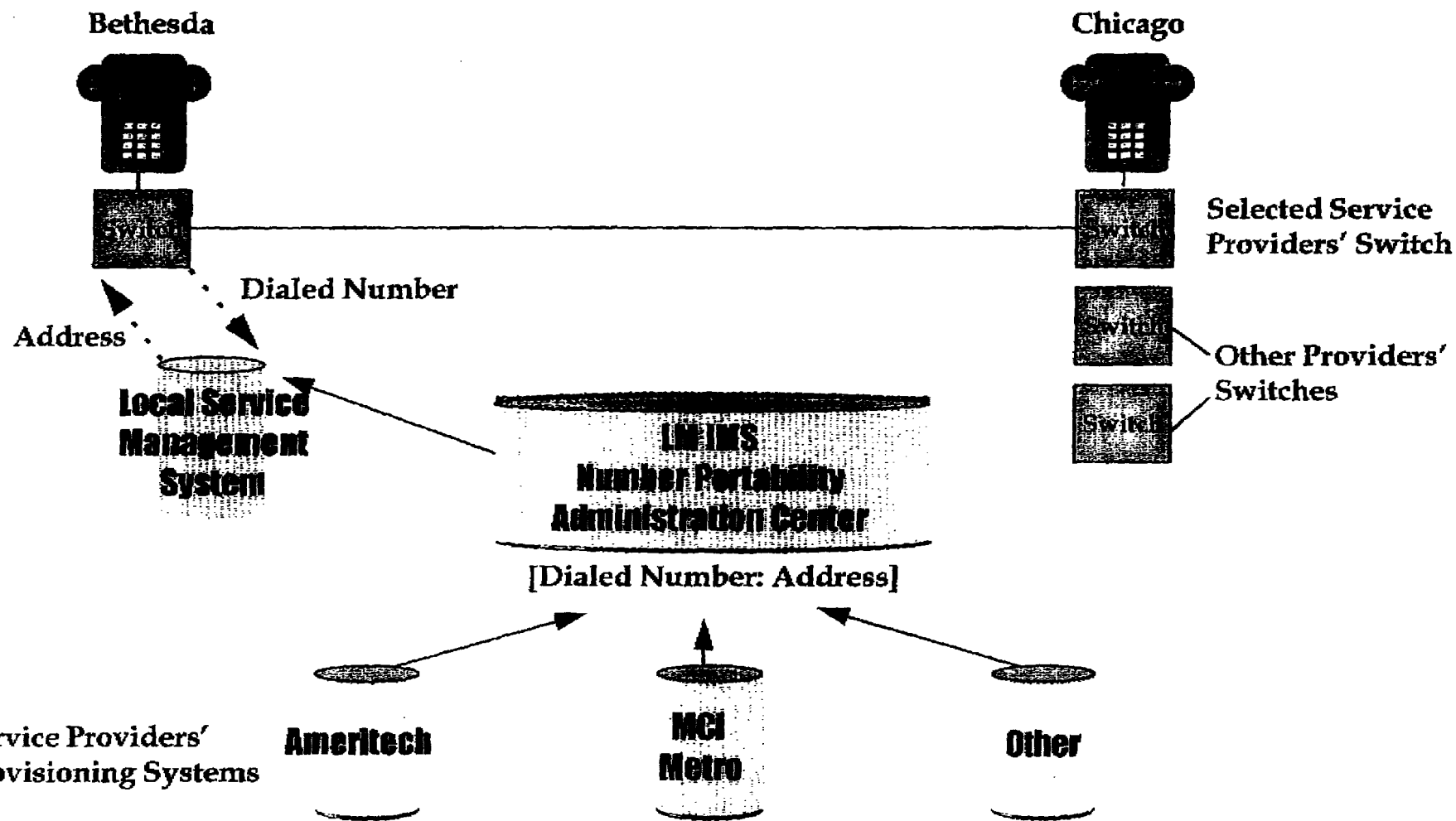


**Industry Needs:** Transactions and administrative services that facilitate interoperability of networks.

**Lockheed Martin:** Strong technology, systems integration and operations. Understanding of the industry. Tradition of serving the public trust.

**Commitment:** Service that is fair, neutral, reliable, responsive, high value and economical.

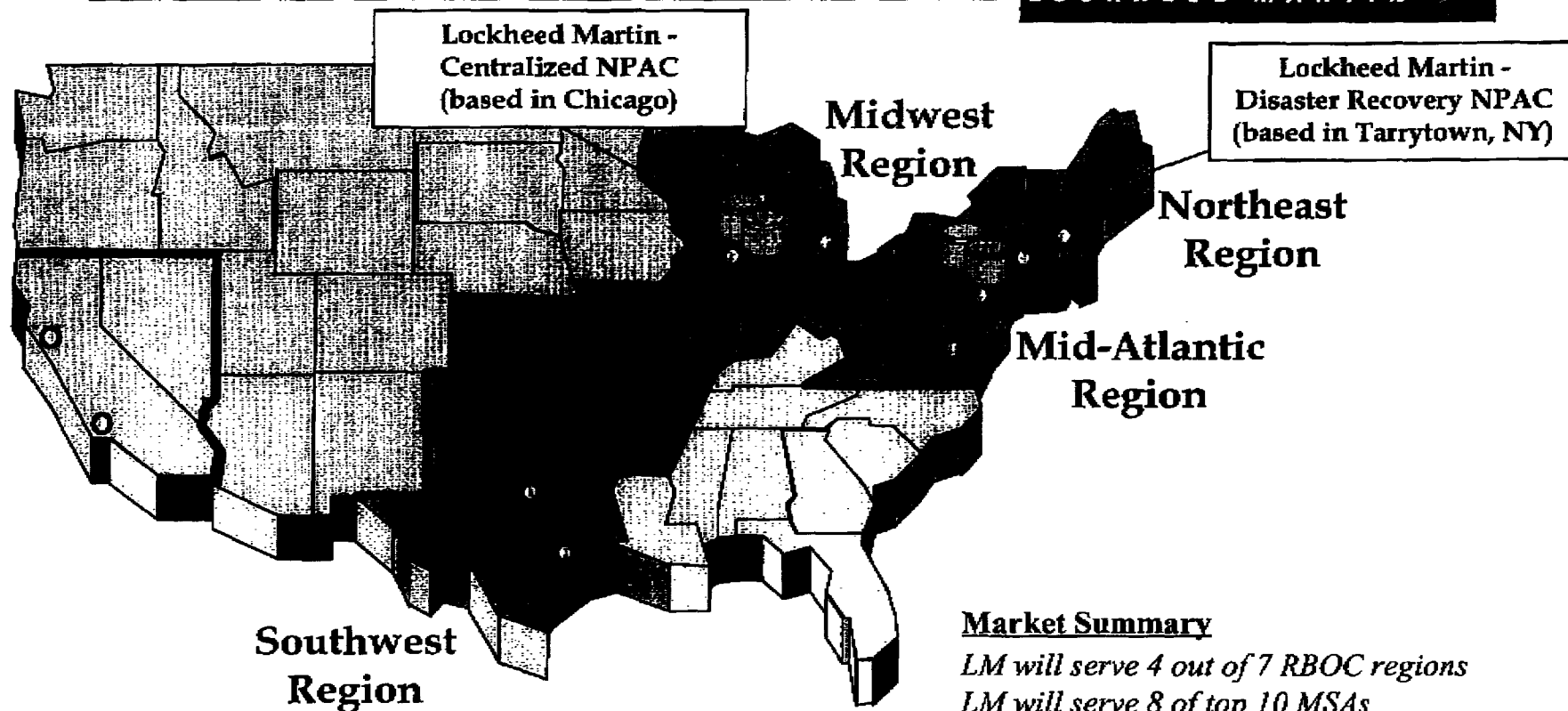
# Local Number Portability: Selecting the Terminating Switch





# Local Number Portability Selection

LOCKHEED MARTIN



Regions to be served by Lockheed Martin

Regions to be served by Perot

Top 10 Metropolitan Statistic Areas (MSAs)

## Market Summary

*LM will serve 4 out of 7 RBOC regions*

*LM will serve 8 of top 10 MSAs*

*LM will serve 55% of all U.S. access lines*

# LNP Status

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1Q96	LM selected as LNP Administrator for Chicago
2Q96	FCC LNP Order issued
3Q96 +	Standards developed
1Q97	LM selected as LNP Administrator in 4 of 7 regions
1Q97	Regional Certification and Validation Testing Begins
3Q97	FCC Field Test successfully completed
4Q97	Commercial LNP operations
4Q97	Regional Testing Continues

# **LNP Challenges and Issues**

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- ◆ Deliver high quality, reliable service
- ◆ Lead Industry cooperation to provide high volume LNP services, when required - e.g. Number Pooling
- ◆ Introduce new service providers to LNP
  - New CLECs
  - Wireless
- ◆ Innovative solutions to emerging Industry needs

# **North American Numbering Plan Administrator**

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- ◆ LM designated as the NANPA by the FCC
- ◆ Key functions:
  - Area code assignment and relief planning
  - CO Code Administration
  - Carrier identification code administration
  - Other numbering issues
- ◆ Transition being managed
  - Cooperating with Bellcore, ILECs, INC, NANC
  - New locations in Washington, Chicago, California
  - Key senior staff in place

# Guiding Principles

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- ◆ Fair and neutral
- ◆ Reliable
- ◆ Responsive
- ◆ High value and economy
- ◆ Innovative solutions
- ◆ Implement policies set by the FCC, PUCs and the Industry

# Contract Status

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## SIGNED

MIDWEST	- 12/96
MIDATLANTIC	- 9/97
NORTHWEST	- 11/97

## PENDING

SOUTHWEST	- 12/97
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# Lockheed Martin's Current Regional Customers

LOCKHEED MARTIN



	<u>Midwest</u>	<u>Midatlantic</u>	<u>Northeast</u>	<u>Southwest</u> *
AT&T	Yes	Yes	Yes	Yes
MCI	Yes	Yes	Yes	Yes
Worldcom/MFS	Yes	Yes	Yes	Yes
Sprint	Yes	Yes	<u>No</u>	Yes
GTE	Yes	Yes	<u>No</u>	Yes
TCG	Yes	Yes	Yes	<u>No</u>
Time Warner	<u>No</u>	<u>No</u>	Yes	Yes
Rochester Tel	<u>No</u>	<u>No</u>	Yes	<u>No</u>
Cablevision	<u>No</u>	<u>No</u>	Yes	<u>No</u>
Armstrong	<u>No</u>	Yes	<u>No</u>	<u>No</u>
RBOC	Ameritech	BAS	BAN	SBC

\* Pending Contract

# Lockheed Martin / Industry Testing Regimen

LOCKHEED MARTIN

<u>Type of Test</u>	<u>Purpose</u>	<u>Test Cases</u>	<u>Schedule</u>	<u>Participants</u>
Interoperability	Certify Interface Development	300 +	3/97 - Ongoing	C/P/S 6/1/0
Turn - Up				
Phase I	Validate SP to SP Functionality	800 +	5/12 - Ongoing	8/2/2
Phase II	Validate SP to SP and NPAC Functionality		7/21 - Ongoing	2/0/2
FCC Trial	Validate Network Functionality	230 +	8/11-9/26	4/0/0



# Software Release Schedule

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Release 1.2	NANC NPA SPLIT Enhancements	12/3/97
Release 1.3	Performance Improvements	2/28/98
Release 1.4	Number Pooling - Illinois	5/98
Release 2.0	NANC Enhancements	3RD QTR / 98

# Wireless Status

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LOCKHEED MARTIN



- Industry Standards Established for Switch to DB
- Draft Standards Established for Switch to DB
- LM Active in NANC
- LM has Strong Relationship with PCIA and CTIA

issue - Inconsistent Rate Center Structure

# NPAC SMS / Status

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- Operational - 10/30/97
  - Midatlantic Region
  - 8 Users
  - Chicago and Tarrytown, NY
  - 43 NPAC Staff Members
  - 24 X 7 Coverage
- No Porting as yet
- Commercial Operations Schedule
  - Midwest - Jan '98 - pending Cost Allocation Model
  - Northeast - Dec '97
  - Southwest - March '98 - "Flash Cut"
- Billing Commenced in Three Regions
  - Interim Allocation Model Utilized
  - LM NPAC Accommodates Billing Flexibility